

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application. Please cancel claims 1-45 without prejudice, amend claims 46-48, 51-55 and 58-63 and add new claims 66-77 as follows:

LISTING OF CLAIMS:

1-45. (Canceled)

46. (Currently Amended) A data transmission device to be used in a system including said data transmission device and a data receiving device which are connected to a network, and at least one portable terminal, said data transmission device comprising:

a first transmission ~~means for~~ unit transmitting to said portable terminal a signal for obtaining device information from said data receiving device, the device information containing connection information for establishing a connection between said data transmission device and said data receiving device ~~from said data receiving device~~;

a receiving ~~means for~~ unit receiving the device information from said portable terminal; and

a second transmission ~~means for~~ unit transmitting to said data receiving device a signal for requesting a connection ~~to said data receiving device~~ based on the device information.

47. (Currently Amended) A data transmission device as claimed in claim 46, ~~further comprising a third transmission means for transmitting~~ wherein the second transmission unit transmits data to said data receiving device via said network after establishing a connection with said data receiving device.

48. (Currently Amended) A data transmission device as claimed in claim 46, in which said first transmission ~~means~~ unit and said receiving ~~means~~ unit transmit and receive data with said portable terminal via a mobile telecommunication network.

49. (Original) A data transmission device as claimed in claim 46, in which said connection information contains an identification code for identifying said data receiving device on said network.

50. (Original) A data transmission device as claimed in claim 49, in which said identification code is an IP address.

51. (Currently Amended) A data receiving device to be used in a system including a data transmission device and said data receiving device which are connected to a network, and at least one portable terminal, said data receiving device comprising:

a transmission ~~means for~~ unit transmitting ~~to said portable terminal device~~ information to said portable terminal according to a request signal from said portable terminal, the device information containing connection information for establishing a

connection between said data transmission device and said data receiving device
~~according to a request signal from said portable terminal; and~~

a connection ~~means for~~ unit establishing a connection with said data
transmission device according to a signal for requesting the connection transmitted
from said data transmission device based on the device information.

52. (Currently Amended) A data receiving device as claimed in claim 51,
in which said transmission ~~means~~ unit comprises a communication ~~means for~~ unit
communicating in short distances for transmitting the device information to said
portable terminal.

53. (Currently Amended) A data receiving device as claimed in claim 52,
in which said communication ~~means for communicating in short distances is~~
comprises a wireless communication ~~means~~ unit.

54. (Currently Amended) A data receiving device as claimed in claim 53,
in which said communication ~~means for communicating in short distances is~~ unit
carries out communication based on either Bluetooth®, IEEE 802.11, HomeRF®, or
IrDA®.

55. (Currently Amended) A data receiving device as claimed in claim 52,
in which said communication ~~means for communicating in short distances is~~ unit
comprises a wired communication ~~means~~ unit.

56. (Original) A data receiving device as claimed in claim 51, in which said connection information contains an identification code for identifying said data receiving device on said network.

57. (Original) A data receiving device as claimed in claim 56, in which said identification code is an IP address.

58. (Currently Amended) A portable terminal to be used in a system including a data transmission device and a data receiving device which are connected to a network, and said portable terminal, said portable terminal comprising:

a first transmission ~~means for~~ unit transmitting to said data receiving device a signal for requesting transmission of device information according to a request from said data transmission device, the device information containing connection information for establishing a connection between said data transmission device and said data receiving device ~~according to a request from said data transmission device;~~

a receiving ~~means for~~ unit receiving the device information from said data receiving device; and

a second transmission ~~means for~~ unit transmitting the device information received from said data receiving device to said data transmission device.

59. (Currently Amended) A portable terminal as claimed in claim 58, in which said first transmission ~~means~~ unit and said receiving ~~means~~ unit comprise a communication ~~means for~~ unit communicating in short distances for transmitting and receiving data with said data receiving device.

60. (Currently Amended) A portable terminal as claimed in claim 59, in which said communication ~~means for communicating in short distances is~~ unit comprises a wireless communication ~~means~~ unit.

61. (Currently Amended) A portable terminal as claimed in claim 60, in which said communication ~~means for communicating in short distances is~~ unit carries out communication based on either Bluetooth®, IEEE 802.11, HomeRF®, or IrDA®.

62. (Currently Amended) A portable terminal as claimed in claim 59, in which said communication ~~means for communicating in short distances is~~ unit comprises a wired communication ~~means~~ unit.

63. (Currently Amended) A portable terminal as claimed in claim 58, in which said second transmission ~~means~~ unit transmits the device information to said data transmission device via a mobile telecommunication network.

64. (Original) A portable terminal as claimed in claim 58, in which said connection information contains an identification code for identifying said data receiving device on said network.

65. (Original) A portable terminal as claimed in claim 64, in which said identification code is an IP address.

66. (New) A data receiving device to be used in a system including a data transmission device and said data receiving device which are connected to a network, and a portable terminal, said data receiving device comprising:

a wireless communication unit receiving device information of said data transmission device from said portable terminal, the device information containing connection information for establishing a connection between said data transmission device and said data receiving device; and

a controller deleting the device information if a certain condition is satisfied.

67. (New) The data receiving device of claim 66, wherein the certain condition includes a condition where the wireless communication unit fails to communicate with the portable terminal device.

68. (New) The data receiving device of claim 66, wherein the certain condition includes a condition when the portable terminal device is out of a range from the wireless communication unit.

69. (New) The data receiving device of claim 66, wherein the wireless communication unit carries out wireless communication with the portable terminal device based on either Bluetooth®, IEEE 802.11, HomeRF®, or IrDA®.

70. (New) The data receiving device of claim 66, wherein the connection information contains an identification code for identifying the data transmission device on the network.

71. (New) The data receiving device of claim 70, wherein the identification code is an IP address.

72. (New) A method for establishing communication between telephones, comprising the steps of:

(a) establishing a first communication between the telephones via a telecommunication network;

(b) exchanging information between the telephones via the telecommunication network; and

(c) establishing a second communication between the telephones via a computer network by using the information that has been exchanged via the telecommunicating network.

73. (New) The method of claim 72, wherein at least one of the telephones comprises a mobile phone, and wherein at least part of the telecommunication network comprises a mobile telecommunication network.

74. (New) The method of claim 73, wherein the computer network comprises at least one wireless communication apparatus for communicating with the at least one mobile phone.

75. (New) A method as claimed in claim 72, further comprising:

(d) carrying out the second communication between the telephones via the computer network after the step (c).

76. (New) A method as claimed in claim 71, wherein, in the step (d), voice data is transmitted from one of the telephones to the other of the telephones.

77. (New) A method as claimed in claim 76, wherein the step (d) comprises:

(d-1) generating voice data in accordance with a voice input from the one of the telephones;

(d-2) encoding the voice data generated in the step (d-1);

(d-3) transmitting the encoded voice data toward the other of the telephones;

(d-4) decoding the encoded voice data; and

(d-5) reproducing the voice on the other of the telephones in accordance with the decoded voice data.